COLSF 4.2 VI

ABC LABORATORIES, INC. EAST 4922 UNION AVENUE SPOKANE, WA 99212 509-534-0161

REPORT TO: Bruce Austin

P.O. Box 222

Newman Lake, WA 99025

LAB NO :32075-88 DATE: 1-31-89

DATE REC'D: December

ATTN:

DESCRIPTION: Perform Volatile Organic Scan on 16 submitted samples from the wells in the Colbert Landfill area. Analyses performed by methods outlined in proposal of December 8, 1988.

DETECTION LIMITS: 1 part per billion

ND: Not Detected

ABC LABORATORIES, INC.

Austin, Bruce Lab NO. 32075-88

Respectfully submitted, ABC LABORATORIES, INC.

W. E. Burkhardt

Manager

RECEIVED FEB 0 6 1989

CHOCOFIND PRANCH

USEPA SF

ABC LABORATORIES, INC.

Austin, Bruce Lab NO. 32075-88 Name	(b) (6)		i	i	i	i
WELL NO.	1573F-1	1573R-2	1073E-1	1473M-1	0273E-1	14730-1
WELL NO. aaa Trifluorotoluene Chloroform 1, 1, Dichloroethane 1, 1, Dichloroethylene Trichloroethylene 1, 1, 1, Trichloroethane Tetrachloroethylene Methylene Chloride 1-Pentene Cyclopentane Trans 2 Hexene Benzene Toluene Ethylene DiBromide Ethly Benzene M-xylene O-xylene P-xylene Cumene 1,2,4 Trimethyl Benzene P-cymene Chlorobenzene M-dichlorobenzene O-dichlorobenzene P-dichlorobenzene Methyl Ethyl Ketone Acetone Bromodichloromethane Bromoform Carbon Tetrachloride Dibromochloromethane	1573F-1 1573F-1 1573F-1	1573R-2 IS NO	1073E-1 15	1473M-1 IS D D D D D D D D D D D D D D D D D D D	0273E-1 IS ND 40 D 4	1473C-1 15
1, 2, Dichloroethane Trans 1, 2, Dichloroethane Trans 1, 2, Dichloroethylene 1, 2, Dichloropropane Cis 1, 3, Dichloropropane Trans 1, 3, Dichloropropylene 1, 1, 2, 2, Tetrachloroethane 1, 1, 2, Trichloroethane 2, Chloroethylvinyl Ether	ND ND ND ND ND		ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	NO N
Z, CHIOFOGUIYIVINYI EUIBC	NU	NU	ND	NU	טא	NU

ABC LABORATORIES, INC.

Austin, Bruce						
Lab NO. 32075-88						
Name	(b) (6)					
None						
WELL NO.	1073M-2	02730-4	1573H-2	0273E-2	1573E-2	1573B-2
aaa Trifluorotoluene	IS	IS	IS	IS	IS	IS
Chloroform	ND	NĎ	ŇĎ	NĎ	ND	NĎ
1, 1, Dichloroethane	ND.	ND	ND	ND	ND	1
1, 1, Dichloroethylene	ND	ND	ND	ND	ND	· 3
Trichloroethylene	ND	ND	ND	ND	ND	ND
1, 1, 1, Trichloroethane	ND ND	ND	ND	ND	ND	82
Tetrachloroethylene Methylene Chloride	ND	ND ND	ND ND	ND ND	ND ND	ND ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2 Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethly Benzene	ND	ND	ND	ND	ND	ND
M-xylene O-xylene	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	. ND	ND
1,2,4 Trimethyl Benzene	NĎ	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene P-dichlorobenzene	ND ND	ND ND	ND - ND	ND ND	ND ND	ND ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1, 2, Dichloroethane Trans 1,2, Dichloroethane	ND ND	ND ND	ND ND	ND	ND	ND
Trans 1, 2, Dichloroethylene	ND	ND	ND ND	ND ND	ND ND	ND ND
1, 2, Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1, 3, Dichloropropane	ND	ND	ND	ND	ND	ND
Trans 1, 3, Dichloropropylene		ND	ND	ND	ND	ND
1, 1, 2, 2, Tetrachloroethane	ND	ND	ND	ND	ND	ND
1, 1, 2, Trichloroethane	ND	ND	ND	ND	ND	ND
2, Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

ABC LABORATORIES, INC.

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Austin, Bruce				
Lab NO. 32075-88				
Lau No. 32073-00	(b) (6)			(b) (6)
Name			Wahoo	(b) (6)
			Water Co.	
WELL NO	15770 7	10771 0		15770 14
WELL NO.	1573C-7	1073L-2	1073J-2	1573C-14
aaa Trifluorotoluene	IS	IS	IS	IS
Chloroform	ND	ND	ND	ND
1, 1, Dichloroethane	ND	ND	ND	ND .
1, 1, Dichloroethylene	ND	ND	ND	ND
Trichloroethylene	ND	ND	NĎ	ND
1, 1, 1, Trichloroethane	ND	ND	l I	ND
Tetrachloroethylene Methylene Chloride	ND ND	ND ND	ND	ND
Methylene Chloride 1-Pentene	ND	ND	ND ND	ND ND
Cyclopentane	ND	ND	ND	ND
Trans 2 Hexene	ND	ND	ND	ND
Benzene	ND	ND	ND	ND
Toluene	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND
-Ethly Benzene	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND
Cumene	ND	ND	ND	ND
1,2,4 Trimethyl Benzene	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND
Chlorobenzene M-dichlorobenzene	ND ND	ND ND	ND ND	ND ND
0-dichlorobenzene	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND
Acetone	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1, 2, Dichloroethane	ND	ND	ND	ND
Trans 1,2, Dichloroethane	ND	ND	ND	ND
Trans 1, 2, Dichloroethylene 1, 2, Dichloropropane	ND ND	ND ND	ND ND	ND ND
Cis 1, 3, Dichloropropane	ND	ND ND	ND	ND
Trans 1, 3, Dichloropropylene		ND	ND	ND
1, 1, 2, 2, Tetrachloroethane	ND	ND	ND	ND
1, 1, 2, Trichloroethane	ND	ND	ND	NĎ
2, Chloroethylvinyl Ether	ND	ND	ND	ND
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PERFORMANCE STANDARDS

HAXIHUM ALLOWABLE CONTAMINANT CONCENTRATIONS

Health Protection Levels

* Health Protection Levels are not to be exceeded, during operational life of remedial action, in effluents from groundwater treatment systems. Permanent reduction of contaminant concentrations below these levels throughout the site will indicate completion of the remedial action.

Contaminant

Maximum Concentration parts per billion (ug/l)

Basis

1,1,1-Trichloroethane (TCA)	200.0	
	200.0	HCL
1,1-Dichloroethylene (DCE)	7.0	HCL
1,1-Dichloroethane (DCA)	4050.0	HAC
Trichloroethylene (TCE)	5.0	HCL
Tetrachloroethylene (PCE or TETRA CL)	0.7	10 -6 cancer risk
Hethylene Chloride (MC)	2.5	10 -6 cancer risk

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SHALLOW AQUIFER MAP A - SHALLOW OR UPPER SANOS	AQUIFER = WELL # GRID DEC 1988
SWOOLARD WAR GESTY	Service of the servic
	(9) (d) (minute management (in the minute ma
# # # # # # # # # # # # # # # # # # #	NTHERMO Z
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PERFORMANCE STANDARDS

HAXIMUM ALLOWABLE CONTAMINANT CONCENTRATIONS

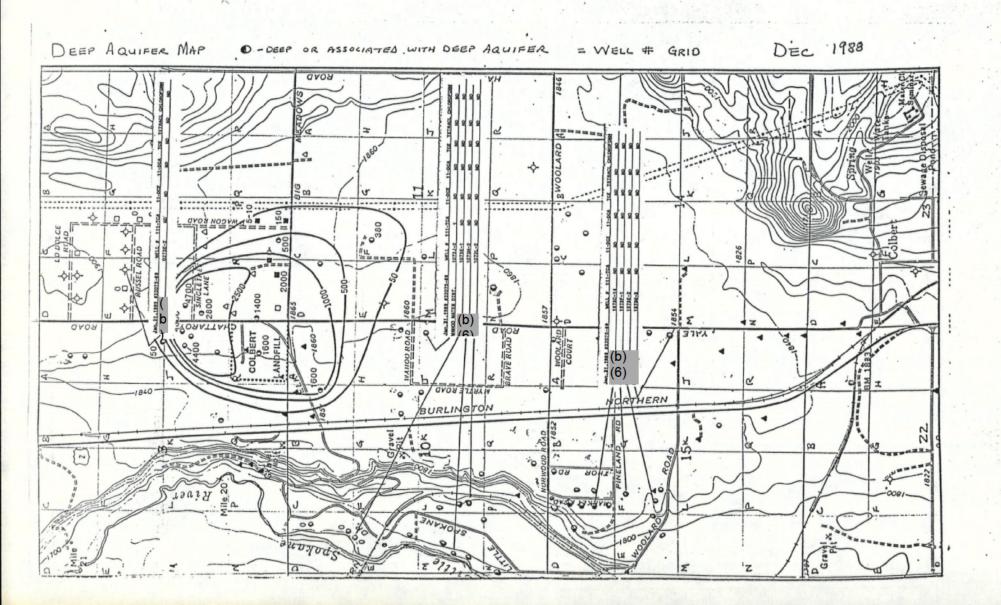
Health Protection Levels *

* Health Protection Levels are not to be exceeded, during operational life of remedial action, in effluents from groundwater treatment systems. Permanent reduction of contaminant concentrations below these levels throughout the site will indicate completion of the remedial action.

Haximum Concentration Contaminant parts per billion (ug/1) Basis 1,1,1-Trichloroethane (TCA) 200.0 HCL 1,1-Dichloroethylene (DCE) 7.0 HCL 1,1-Dichloroethane (DCA) 4050.0 HAC Trichloroethylene (TCE) 5.0 Tetrachloroethylene (PCE or TETRA CL) 0.7 10 -6 cancer risk

2.5

10 -6 cancer risk



Hethylene Chloride (HC)